

# BSEN39

## BLACK AND HOT DIP GALVANIZED SCAFFOLD TUBES

TUBE TYPE	SIZE		OD(Minimum)		OD(Maximum)		Wall Thickness		Weight of Tube		Pieces per Bundle
	INCH	NB (mm)	INCH	MM	INCH	MM	INCH	MM	lb/Ft	Kg./Mtr	
3	1 1/2"	40	1.882	47.8	1.921	48.8	0.126	3.2	2.392	3.56	61
4	1 1/2"	40	1.882	47.8	1.921	48.8	0.157	4	2.936	4.37	50

### 1) TOLERANCES

a) : On Specified OD  $\pm 0.5$  mm (Ovality 0.4 mm)

The inside diameter of tube shall allow insertion of a gauges of 37.70 mm dia for a minimum length of 200 mm.

b) : On wall Thickness - 10%

c) : Straightness- 1 in 500 (In 1 meter it should not exceed 3 mm)

d) : The mass deviation on a single tube shall not exceed -7.5% of the specified mass

### 2) ENDS

: Cut cleanly and nominally square with the axis of the tube and free from excessive burrs.

### 3) PROPERTIES

a) : Chemical: % Max.C - 0.20%, Si - 0.05%, Mn - 1.40%, P - 0.040%, S- 0.045%, Al-0.02% Min.

b) : Mechanical: UTS - 340-520 N/mm<sup>2</sup> - 235 N/mm<sup>2</sup> (Min.) & Elongation - 24% min.

### 4) FLATTENING TEST

a) : For Weld-Flatten up to 75% of Original Tube

b) : For Material-Flatten Up to 60 of original tube

### 5) Zinc Coating (Galvanizing)

Minimum Local Coating Thickness on the outside surface 40 microns.

### 6) MARKING

a) : We can emboss mill sign " EN39 UTP 3 or 4" online at every one meter interval over the length of pipe.

b) : We can do online stenciling as per customer need.

### 7) PACKING

: Hexagonal Type

### 8) MILL TEST CERTIFICATE

We can issue a MTC, Certifying that the tube supplied comply with this standard